U.S. DEPARTMENT OF COMMERCE **Performance Progress Report**	2. Award Or Grant Number 18-50-M09003 4. Report Date (MM/DD/YYYY) 10-12-2010

1. Recipient Name Indiana Office of Technology	6. Designated Entity On Behalf Of: Indiana	
3. Street Address 100 North Senate Avenue , Indiana Government Center N551,	8. Final Report? ○ Yes ◉ No	9. Report Frequency ◉ Quarterly ○ Semi Annual ○ Annual ○ Final
5. City, State, Zip Code Indianapolis, IN 46204		

7. Project / Grant Period Start Date: (MM/DD/YYYY) 10-01-2009	7a. End Date: (MM/DD/YYYY) 10-01-2011	8. Reporting Period End Date: (MM/DD/YYYY) 06-30-2010	9a. If Other, please describe: NA

10. Broadband Mapping

10a. Provider Table

Number of Providers Identified	Number of Providers Contacted	Number of Agreements Reached for Data Sharing	Number of Partial Data Sets Received	Number of Complete Data Sets	Number of Data Sets Verified
171	116	15	5	16	21

10b. Are you submitting the required PROVIDER DATA by using the Excel spreadsheet provided by the SBDD grants office? ◉ Yes ○ No

10c. Have you encountered challenges with any providers that indicate they may refuse to participate in this project? ○ Yes ◉ No

10d. If so, describe the discussions to date with each of these providers and the current status

NA

10e. If you are collecting data through other means (e.g. data extraction, extrapolation, etc), please describe your progress to date and the relevant activities to be undertaken in the future

• We have completed a statewide telephone exchange map derived from about 600 individual telephone exchange maps from Indiana Utility Regulatory Commission. This is an important data set and represents a significant amount of the effort of the project.
• We have processed data to create the following statewide geographic data layers:
  -Service provider name by census block
  -Type of broadband technology by census block
  -Locations of K-12 and Higher Education facilities, and other community anchor institutions.
  -Reference layers from the IndianaMap, including aerial photography, roads, rivers, etc.
  -Wire line coverage, statewide.
  -Wireless coverage, statewide.

10f. Please describe the verification activities you plan to implement

i. "Boots on the ground" inspection. We will visually inspect the existence of physical features, where feasible, of a sample size sufficient to verify that service could exist in a specific location.
ii. Inspection of high-resolution orthophotography. High-resolution orthophotography will be used to verify the existence and location of wireless towers. Where recent six-inch resolution orthophotography exists (cities and counties), it can also be used to verify the existence of residence connection boxes.
iii. Comparing source documents that duplicate geographies or content. We recognize that within the above list of data sources, some information is duplicated. In these cases, discrepancies will be noted for follow-up using other verification methods listed here.
iv. Collecting end-user data. We are working with The Polis Center at Indiana University Purdue University Indianapolis to create a Google Map-based, user-friendly web application hosted on the IndianaMap portal to collect information from end-users about their location, broadband service provider, and speed (as captured from a speed test). The information collected from this website will be valuable for data verification. The Polis Center works with communities in Indiana and beyond to develop and apply knowledge, to build collaborations, and to find innovative solutions to common problems. The center excels in community-based research and advanced information technologies, especially geographic information systems (GIS).
v. Using service providers' websites, especially those that contain service area information. Many service providers have websites that give service area information (often address by address) to assist consumers. We will use these websites in conjunction with "boots on the ground" and the other methods listed here to verify the data.

10g. Have you initiated verification activities? ◉ Yes ○ No

10h. If yes, please describe the status of your activities

i. We have begun verification comparing source documents that duplicate geographies and/or content. We recognize that within the above list of data sources, some information is duplicated. In these cases, discrepancies will be noted for follow-up using other verification methods listed here.

ii. We have developed a prototype "crowd-sourcing" tool and have begun using this tool to collect data for verification.

iii. We have acquired a 3rd party data set for verification and are in the process of using it to compare to our mapped data.

iv. We have begun using service providers' websites, especially those that contain service area information.

10i. If verification activities have not been initiated please provide a projected time line for beginning and completing such activities

NA

Staffing

10j. How many jobs have been created or retained as a result of this project?

1.1

10k. Is the project currently fully staffed? ○ Yes ● No

10l. If no, please explain how any lack of staffing may impact the project's time line and when the project will be fully staffed

No impact on the project's time line is anticipated.

10m. When fully staffed, how many full-time equivalent (FTE) jobs do you expect to create or retain as a result of this project?

6.75

10n. Staffing Table

Job Title	FTE %	Date of Hire
GIS Technician	57	02/23/2010
GIS Analyst	19	02/23/2010
GIS Sr. Analyst	24	02/23/2010

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Sub Contracts

10o. Subcontracts Table

Name of Subcontractor	Purpose of Subcontract	RFP Issued (Y/N)	Contract Executed (Y/N)	Start Date	End Date	Federal Funds	In-Kind Funds
39 Degrees North	To perform geoprocessing of data sets.	N	Y	02/23/2010	09/23/2010	$150,000	$30,000
Indiana Geological Survey	To facilitate visualization and distribution of the broadband mapping data.	N	Y	04/01/2010	09/30/2011	$155,000	$31,000
AfterImage GIS	To process data from wireless providers.	N	Y	05/01/2010	10/31/2011	$85,000	$17,000
DotStaff	To provide a Broadband Mapping Coordinator	N	Y	06/14/2010	12/13/2010	$45,000	$9,000

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Funding

10p. How much Federal funding has been expended as of the end of the last quarter? $204,369   10q. How much Remains? $1,061,899

10r. How much matching funds have been expended as of the end of last quarter? $79,141   10s. How much Remains? $237,425

10t. Budget Worksheet

Mapping Budget Element	Federal Funds Granted	Proposed In-Kind	Total Budget	Federal Funds Expended	Matching Funds Expended	Total Funds Expended
Personal Salaries	$80,920	$20,230	$101,150	$0	$0	$0
Personnel Fringe Benefits	$0	$0	$0	$0	$0	$0
Travel	$0	$0	$0	$0	$0	$0
Equipment	$0	$0	$0	$0	$0	$0
Materials / Supplies	$0	$0	$0	$0	$0	$0
Subcontracts Total	$1,185,349	$296,337	$1,481,686	$0	$0	$0
Subcontract #1	$0	$0	$0	$0	$0	$0
Subcontract #2	$0	$0	$0	$0	$0	$0
Subcontract #3	$0	$0	$0	$0	$0	$0
Subcontract #4	$0	$0	$0	$0	$0	$0
Subcontract #5	$0	$0	$0	$0	$0	$0
Construction	$0	$0	$0	$0	$0	$0
Other	$0	$0	$0	$0	$0	$0
Total Direct Costs	$1,266,269	$316,567	$1,582,836	$0	$0	$0
Total Indirect Costs	$0	$0	$0	$0	$0	$0
Total Costs	$1,266,269	$316,567	$1,582,836	$0	$0	$0
% Of Total	80	20	100	0	0	0

Hardware / Software

10u. Has the project team purchased the software / hardware described in the application?　◯Yes　◉No

10v. If yes, please list

NA

10w. Please note any software / hardware that has yet to be purchased and explain why it has not been purchased

NA

10x. Has the project team purchased or used any data sets?　◯Yes　◉No

10y. If yes, please list

NA

10z. Are there any additional project milestones or information that has not been included?　◯Yes　◉No

10aa. If yes, please list

NA

10bb. Please describe any challenge or obstacle that you have encountered and detail the mitigation strategies the project team is employing

The process of engaging service providers and procuring data from service providers has proven to be complex and slow.

10cc. Please provide any other information that you think would be useful to NTIA as it assesses your Broadband Mapping Project

We have brought a full time temporary contractor on board whose job it is to contact service providers and collect service provider data.

11. Broadband Planning

11a. Please describe progress made against all goals, objectives, and milestones detailed in the approved Project Plan. Be sure to include a description of each major activity / milestone that you plan to complete and your current status

NA

11b. Please describe any challenge or obstacle that you have encountered and detail the mitigation strategies the project team is employing

NA

11c. Does the Project Team anticipate any changes to the project plan for Broadband Planning?　◯Yes　◉No

11d. If yes, please describe these anticipated changes. Please note that NTIA will need to approve changes to the Project Plan before they can be implemented

NA

Funding

11e. How much Federal funding has been expended as of the end of the last quarter? $0   11f. How much Remains? $0

11g. How much matching funds have been expended as of the end of last quarter? $0   11h. How much Remains? $0

11i. Planning Worksheet

Planning Budget Element	Federal Funds Granted	Proposed In-Kind	Total Budget	Federal Funds Expended	Matching Funds Expended	Total Funds Expended
Personal Salaries	$0	$0	$0	$0	$0	$0
Personnel Fringe Benefits	$0	$0	$0	$0	$0	$0
Travel	$0	$0	$0	$0	$0	$0
Equipment	$0	$0	$0	$0	$0	$0
Materials / Supplies	$0	$0	$0	$0	$0	$0
Subcontracts Total	$0	$0	$0	$0	$0	$0
Subcontract #1	$0	$0	$0	$0	$0	$0
Subcontract #2	$0	$0	$0	$0	$0	$0
Subcontract #3	$0	$0	$0	$0	$0	$0
Subcontract #4	$0	$0	$0	$0	$0	$0
Subcontract #5	$0	$0	$0	$0	$0	$0
Construction	$0	$0	$0	$0	$0	$0
Other	$0	$0	$0	$0	$0	$0
Total Direct Costs	$0	$0	$0	$0	$0	$0
Total Indirect Costs	$0	$0	$0	$0	$0	$0
Total Costs	$0	$0	$0	$0	$0	$0
% Of Total	0	0	0	0	0	0

Additional Planning Information

11j. Are there any additional project milestones or information that has not been included?

NA

11k. Please describe any challenge or obstacle that you have encountered and detail the mitigation strategies the Project Team is employing

NA

11l. Please provide any other information that you think would be useful to NTIA as it assesses your Broadband Mapping Project

NA

12. Certification: I certify to the best of my knowledge and belief that this report is correct and complete for performance of activities for the purpose set forth in the award documents.	
12a. Typed or Printed Name and Title of Authorized Certifying Official Jim Sparks	12c. Telephone (area code, number, and extension)
	12d. Email Address jsparks@iot.in.gov
12b. Signature of Authorized Certifying Official Submitted Electronically	12e. Date Report Submitted (Month, Day, Year) 10-12-2010